

Claims

What is claimed is:

1. A method for producing migrastatin comprising the fermentation
5 of *Streptomyces platensis* under conditions such that migrastatin is produced.
2. The method of Claim 1, wherein said *Streptomyces platensis* is NRRL
18993.
3. A migrastatin analog obtainable from fermentation broth of
Streptomyces platensis NRRL 18993 fermented under conditions such that
10 migrastatin is produced.
4. The migrastatin analog of Claim 3 that is isomigrastatin.
5. The method of Claim 1, wherein said fermentation is conducted in
a medium comprising a resin that binds migrastatin.
6. The method of Claim 5, wherein said resin is XAD resin.
- 15 7. A method of purifying migrastatin or isomigrastatin from a
fermentation medium, said method comprising steps of (1) solid phase
extraction; (2) extraction with an organic solvent, and (3) chromatography.
8. The method of Claim 7, wherein said steps are (1) solid phase
extraction; (2) extraction with an methanol, (3) chromatography with C18 resin;
20 and (4) extraction with acetone.
9. A pharmaceutical formulation comprising isomigrastatin.
10. A method to treat cancer in a human or animal, said method
comprising administering a therapeutically effective dose of a formulation of
Claim 9.